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Product Name :
Room Temperature Control

Product Code :
LBNY-0005-127000101



Description :

Investigation of a temperature control loop
Power controller as actuator
Parameterisable digital industrial controller
2 metal plates with differing thermal conductivities for disturbance generation
Thermocouple type K as temperature sensor
Soldering iron as controlled system
Transducer for thermocouple with digital temperature display
Bar display for manipulating variable
Control loop components on panels allowing for variation in installation in frame.

Technical Specification :

Soldering iron power output: 16W
Controller
Output signals: 0...20mA
Input signals: 0/4...20mA and 0...10V
2-point controller
Parameterisable as
P, PI or PID controller
Thermocouple and transducer
Output signal: 0...10VDC
Measuring range: 0...400°C
Power controller

Input signal: 0...20mA
Output power: 0...16W.



Laboratory Instrument India